

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. **(currently amended)** A multi-channel ~~multichannel-type~~ radio frequency modulation circuit for a set-top box, said circuit comprising:

a switch turned on/off in response to a switching voltage for passing/blocking a radio frequency signal from a radio frequency input terminal to a radio frequency output terminal;

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a plurality of modulators, each of said modulators being enabled in response to a corresponding operating voltage for modulating a corresponding input audio signal and a corresponding input video signal into a corresponding television signal on a corresponding channel; and ~~modulation means enabled in response to operating voltages for modulating input audio signals and video signals into television signals at a plurality of channels, respectively; and~~


a mixer for mixing the plurality of television signals modulated by said modulators ~~modulation means respectively~~ with the radio frequency signal passed by said switch and outputting the mixed ~~resulting~~ signals ~~respectively~~ to connected televisions via said radio frequency output terminal;

wherein the switch is turned off to block the radio frequency signal when the modulators are enabled.

2. **(currently amended)** The ~~multichannel-type radio frequency modulation~~ circuit as set forth in claim 1, ~~wherein said modulation means includes a plurality of modulators, each of said modulators being enabled in response to a corresponding one of said operating voltages to modulate a corresponding one of said input audio signals and a corresponding one of said input video signals~~

~~into a corresponding one of said television signals at said plurality of channels, said plurality of said~~
channels being set to be independent of one another.

3. (new) The circuit of claim 1, further comprising a plurality of MPEG boards each connected to one of the modulators for supplying said modulator with the corresponding input audio and video signals.

 4. (new) The circuit of claim 3, wherein the MPEG boards are connected to the Internet via a common Internet-In port.

5. (new) The circuit of claim 3, wherein the radio frequency input terminal is connected to an antenna.

6. (new) The circuit of claim 1, wherein the switching voltage is supplied together with the operating voltages of the modulators, whereby the supplied switching voltage causes the switch to block the radio frequency signal when the modulators are enabled by the supplied operating voltages.
